

WHAT IS CLAIMED IS:

1. A detachable sunglass unit for detachably attaching sunglasses to eyeglasses, comprising:
 - a) a first sunglass lens;
 - b) a second sunglass lens;
 - c) a first sunglass frame holding the first sunglass lens;
 - d) a second sunglass frame holding the second sunglass lens;
 - e) a pivoting device provided between the first sunglass frame and the second sunglass frame;
 - f) a sunglass-connecting member extending from the pivoting device;
 - g) an eyeglass-connecting member provided on the center of the eyeglasses and engaging with the sunglass connecting member;

wherein the pivoting device comprises an elastic connecting rod, and a pipe member that surrounds the connecting rod; wherein the connecting rod comprises a first end portion that is fixed to the first sunglass frame, a second end portion that is fixed to the second sunglass frame, and a bent portion between the first end portion and the second end portion; wherein the bent portion is inserted into the pipe member, and

the internal diameter of the pipe member is smaller than the width of the bent portion, whereby the bent portion is elastically deformed in the pipe member.

2. The detachable sunglass unit of claim 1, wherein the pivoting device further comprises caps that engage with both ends of the pipe member.
3. The detachable sunglass unit of claim 1, wherein the sunglass-connecting member is attached to the eyeglass-connecting member magnetically.
4. The detachable sunglass unit of claim 3, wherein the eyeglass-connecting member comprises a connector body, an insertion hole provided in the connector body, and an eyeglass permanent magnet provided in the connector body, wherein the sunglass-connecting member comprises an extension member that comprises two ends, an insertion body and a sunglass permanent magnet, wherein one end of the extension member is fixed to the pivoting device, and the insertion body is attached to the other end of the extension member, wherein the sunglass permanent magnet is provided in the insertion body in a way that the sunglass

permanent magnet contacts with the eyeglass permanent magnet when the insertion body is inserted into the insertion hole.

5. The detachable sunglass unit of claim 4, wherein the insertion body and the sunglass permanent magnet are integrated.
6. The detachable sunglass unit of claim 4, wherein the insertion body of the sunglass-connecting member comprises one or more stop projections, and the connector body of the eyeglass-connecting member comprises one or more stop recesses that engage with the stop projections, whereby excessive insertion of the insertion body into the insertion hole is prevented.
7. The detachable sunglass unit of claim 6, wherein the pivoting device further comprises caps that engages with both ends of the pipe member.